# District Water Testing Laboratory
## Public Health Engineering Department,Div. Mahasamund

Near collector office, Behind RTO office, BTI road, Mahasamund (C.G.) Pin Code- 493445
Phone – 07723-299180 Email ID - exmin-phe-cg@gov.in

ISO /IEC 17025 -2017 (NABL Accredited Laboratory)

TC -17598

Test Report (Drinking Water)

| | | | | |
|---|---|---|---|---|
| Report no. DLP/HED/MAH - 149 | Discipline : Chemical Testing | Group :Drinking water | ULR No :- TC175980000000149F | |
| Sender's name & address: Riverdale world school, Mahasamund | Sender's letter no./Date | /27.05.2026 | Sampled by | Customer |
| | | | Sampling Plan & procedure | Sampling not done by Lab staff |
| | DL receipt no. | 149 | DL Receipt date | 27.05.2026 |
| | Date of analysis started | 27.05.2026 | Date of analysis completed | 27.05.2026 |
| | Environmental Condition | 23 °C ± 5 °C | Physical Condition of Sample | Ok |

Sample Details

| S. No. | Sample ID | Block | City / Village | Habitation/Location/Source | Type of Sample |
|---|---|---|---|---|---|
| 1 | 149/05/26/513 | - | - | Riverdale world school, Mahasamund | R.O |
| | | | | | |
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Details of parameters their test method units and specification as per IS/APHA

| SN | Parameters | Test method IS:3025/APHA 24th ed. | | Unit | As per IS-10500-2012 (Second Revision) Drinking water | | Result of S.No | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Method | Part no. | | Acceptable limit | Permissible limit | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | | |
| 1 | Chloride as Cl | APHA :2024 | 4500-Cl-B | mg/l. | 250 | 1000 | 47.89 | - | - | - | - | - |
| 2 | Total Dissolved solids | APHA : 2024 | 2540-C | mg/l. | 500 | 2000 | 286 | - | - | - | - | - |
| 3 | Alkalinity as CaCO3 | APHA : 2024 | 2320-B | mg/l. | 200 | 600 | 111.53 | - | - | - | - | - |
| 4 | Calcium as $Ca^{2+}$ | APHA : 2024 | 3500-Ca-B | mg/l. | 75 | 200 | 50.29 | - | - | - | - | - |
| 5 | Magnesium as $Mg^{2+}$ | APHA : 2024 | 3500 Mg-B | mg/l. | 30 | 100 | 23.60 | - | - | - | - | - |
| 6 | pH | IS:3025 :2022 | Part-11 | pH scale | 6.5-8.5 | No relaxation | 7.20 | - | - | - | - | - |
| 7 | Turbidity | IS:3025 : 2023 | Part-10 | NTU | 1 | 5 | 0.83 | - | - | - | - | - |
| 8 | Total Hardness as CaCO3 | APHA : 2024 | 2340-C | mg/l. | 200 | 600 | 222.64 | - | - | - | - | - |
| 9 | Taste | IS:3025 : 2023 | Part-8 | - | Agreeable | Agreeable | NA | - | - | - | - | - |
| 10 | Odour | IS:3025 :2018 | Part-5 | - | Agreeable | Agreeable | Agr. | - | - | - | - | - |
| 11 | Color | APHA : 2024 | 2120-B | Hazen | 5 | 15 | 5 | - | - | - | - | - |

1. The report should not be produced partly or full without approval signatory authority of legal purpose. .
2. The results refer only to tested samples and parameters.
3. Samples will be stored for a period of 10 days from date of issue of report.
4. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
5. Agreeable is denoted by Agr.

**Note - 1. Results apply to the sample as received.**
**2.The Laboratory does not give interpretation on Test result Passed/ Failed.**

*NA – Not Analyzed

**Report Reviewed & approved by**

(Ajay Kumar Prajapati)
Authorized Signatory

# District Water Testing Laboratory
## Public Health Engineering Department,Div. Mahasamund

Near collector office, Behind RTO office, BTI road, Mahasamund (C.G.) Pin Code-493445
Phone – 07723-299140 Email ID -eemah-phe-cg @gov.in

**Test Report (Drinking Water)**

| | | | | |
|---|---|---|---|---|
| Report no. DL/PHED/MAH – 149 | Group-I | Drinking water | | |
| Senders name & address:- Riverdale world school, Mahasamund | Senders letter no./Date | -/27.05.2026 | Sampled by | Customer |
| | | | Sampling Plan & procedure | Sampling not done by Lab staff |
| | DL receipt no. | 149 | DL Receipt date | 27.05.2026 |
| | Date of analysis started | 27.05.2026 | Date of analysis completed | 28.05.2026 |
| | Environmental Conditions | 23 °C ± 5 °C | | |

**Sample Details**

| S.N | Sample ID | Block | City / Village | Habitation/Location/Source | Type of Sample |
|---|---|---|---|---|---|
| 1 | 149/05/26/513 | - | - | Riverdale world school, Mahasamund | R.O |
| | | | | | |
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| S. N | Parameters | Test method IS:3025/APHA 24th ed. | | Unit | As per IS-10500-2012 (Second Revision) Drinking water | | Result of S.No | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Method | Part no. | | Acceptable limit | Permissible limit | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | | |
| 12 | Fluoride as F | APHA :2024 | 4500-F-C | mg/L | 1 | 1.5 | 0.087 | - | - | - | - | - |
| 13 | Residual Chlorine | - | - | mg/L | 0.2 | 1 | 0.0 | - | - | - | - | - |
| 14 | Sulphate as $SO_4^{2-}$ | IS:3025 | Part- 24 | mg/L | 200 | 400 | 24.6 | - | - | - | - | - |
| 15 | Nitrate as $NO_3$ | APHA :2024 | 4500-$NO_3$-B | mg/L | 45 | 45 | 12.47 | - | - | - | - | - |
| 16 | Iron as Fe | APHA :2024 | 3500-Fe-B | mg/L | 1.0 | 1.0 | 0.270 | - | - | - | - | - |
| 17 | E.coli | APHA :2024 | 9222-J | CFU/100 ml | Nil | Nil | Nil | - | - | - | - | - |

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4. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.

**Note- 1. Results apply to the sample as received.**

CHEMIST
Water Testing Laboratory
P.H.E Sub Div. Mahasamund (C.G)